

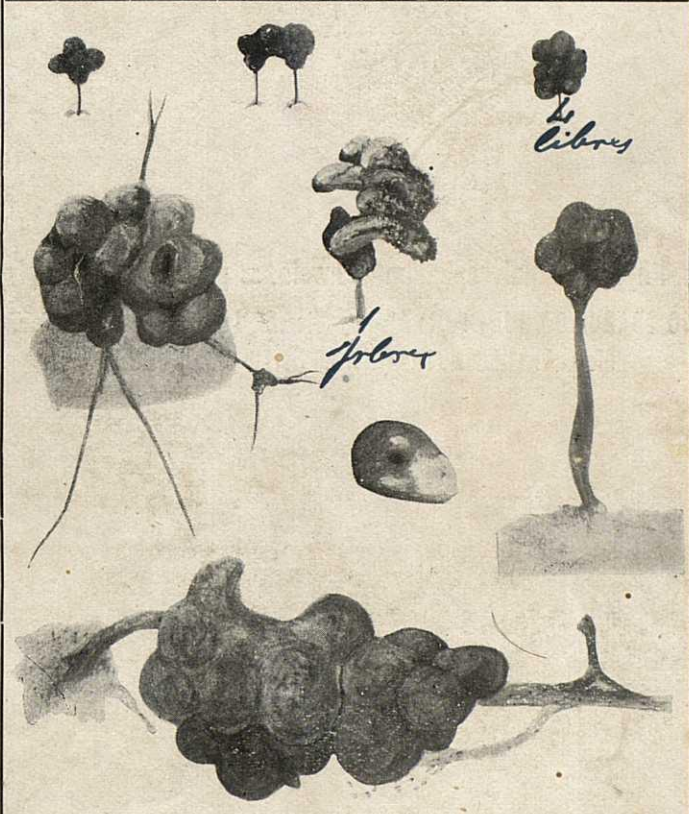
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Dr. GUILLERMO HERTER

# Estudios Botánicos en la Región Uruguaya



INDEX MONTEVIDENSIS  
PLANTAE AVASCULARES

9)  
ER

**Physarum polycephalum Schwein. = polymorphum Rost.**  
**RIO GRANDE DO SUL : Porto Alegre - Viamão, leg., cult., pinx. Herter.**  
**Diciembre de 1912 (Herb. Herter N.º 20988)**




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## ESTUDIOS BOTÁNICOS

EN LA

# REGIÓN URUGUAYA

El equipo de Algar  
No vale una perra  
para vencer al Pracing  
traen equipo de  fuera.

El Pracin se garbino

Como hera equipo de fuera.

Para darles mas barba

Atardaron al pueblo

a jugar las reservas.



47864 J  
27846 J  
30974 2  
18747 0

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ES PROPIEDAD.



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# INDEX

## FAMILIARUM PLANTARUM

### MONTEVIDENSIS

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AUCTORE  
GUILIELMO HERTER

PHILOSOPHIAE DOCTORE

ADVERTENCIA. — La introducción de los « Estudios Botánicos en la Región Uruguaya » (p. III-VII) fué publicada ya en el tomo segundo que apareció primero y tiene que ser agregada aquí cuando se encuaderne la obra entera.

SUMPTIBUS  
ASOCIACIÓN RURAL DEL URUGUAY  
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# INDEX

## FAMILIARUM PLANTARUM

### MONTEVIDENSIS

---

AUCTORE  
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SUMPTIBUS  
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MONTEVIDEO  
1927/28

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# CONSPECTUS REGNI VEGETABILIS

Series Familiae

|                                |                            |                               |     |                                     |                         |                             |  |
|--------------------------------|----------------------------|-------------------------------|-----|-------------------------------------|-------------------------|-----------------------------|--|
| Cryptogamae<br>(Acotyledoneae) | Avasculares                | Aembryophyta<br>(Thallophyta) |     | Euthallophyta<br>(E)<br>(Algophyta) | Myxophyta (E 1 - 4)     | 4                           | 14   |
|                                |                            |                               |     |                                     | Schizophyta (E 5 - 8)   | 4                           | 15   |
|                                |                            |                               |     |                                     | Flagellophyta (E 9-16)  | 8                           | 23   |
|                                |                            |                               |     |                                     | Eualgophyta (E 17 - 21) | 5                           | 29   |
|                                |                            |                               |     |                                     | Charophyta (E 22)       | 1                           | 1  |
|                                |                            |                               |     |                                     | Phaeophyta (E 23-25)    | 3                           | 20   |
|                                |                            |                               |     |                                     | Rhodophyta (E 26-30)    | 5                           | 24   |
|                                |                            |                               |     | Myceliophyta                        | Mycetophyta (M)         | 38                          | 134  |
|                                |                            |                               |     |                                     | Lichenophyta (L)        | 2                           | 52   |
|                                |                            |                               |     | Phanerogamae<br>(Cotyledoneae)      | Vasculares              | Embryophyta<br>(Cormophyta) | Asiphonogamae<br>(Zoidiogamae,<br>Exoprothalliatae,<br>Diplophyta) |
| Musci (frondosi) (B 6)         | 1                          | 65                            |     |                                     |                         |                             |  |
| Pteridophyta (P)               |                            | 13                            | 26  |                                     |                         |                             |  |
| Gymnospermae (S 1-6)           |                            | 6                             | 7   |                                     |                         |                             |  |
| Angiospermae                   | Monocotyl(edon)ae (S 7-17) | 11                            | 44  |                                     |                         |                             |  |
|                                | Dicotyl(edon)ae (S 18-51)  | 34                            | 230 |                                     |                         |                             |  |

SUMMA SUMMARUM. . . 140 705

I  
INDEX

systematicus et alphabeticus  
FAMILIARUM PLANTARUM AVASCULARIUM  
adjectis litterarum locis et synonymis  
principalibus  
florae brasiliensis et uruguayensis rationem  
habentibus

---

ÍNDICE

sistemático y alfabético  
DE LAS FAMILIAS DE PLANTAS AVASCULARES  
con las citas y los principales sinónimos  
correspondientes a la flora del Uruguay  
y del Brasil

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ÍNDICE

systematico e alphabeticco  
DAS FAMILIAS DE PLANTAS AVASCULARES  
con as citas e os principaes synonymos  
correspondentes á flora do Brasil  
e do Uruguay



## Abbreviationes

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E = Euthallophyta

M = Mycetophyta

L = Lichenophyta

B = Bryophyta

Signo \* familias uruguayas notavi

NP = Engler & Prantl, Die natürlichen Pflanzenfamilien.  
Leipzig, 1887-1915

p. = pagina

cf. = confer

---

# A. INDEX SYSTEMATICUS<sup>(1)</sup>

## EUTHALLOPHYTA

- |                                     |                       |
|-------------------------------------|-----------------------|
| E 1 ACRASIALES                      | E 6 MYXOBACTERIALES   |
| 1 Guttulinaceae                     | 19 Myxobacteriaceae   |
| 2 Dictyosteliaceae                  | E 7 THIOBACTERIALES   |
| E 2 PLASMIDIOPHORALES               | 20 Beggiatoaceae      |
| 3 Plasmodiophoraceae                | 21 Rhodobacteriaceae  |
| E 3 CERATIOMYXALES                  | E 8 NOSTOCALES        |
| (MYXOGASTERES                       | (SCHIZOPHYCEAE)       |
| ECTOSPOREAE)                        | * 22 Chroococcaceae   |
| 4 Ceratiomyxaceae                   | 23 Chamaesiphonaceae  |
| E 4 PHYSSARALES                     | * 24 Oscillatoriaceae |
| (MYXOGASTERES                       | * 25 Nostocaceae      |
| ENDOSPOREAE)                        | * 26 Scytonemataceae  |
| 5 Liceaceae                         | 27 Stigonemataceae    |
| 6 Clathroptychiaceae                | 28 Rivulariaceae      |
| 7 Cribrariaceae                     | 29 Camptotrichaceae   |
| * 8 Trichiaceae                     | E 9 PANTOSTOMATINALES |
| * 9 Reticulariaceae                 | 30 Holomastigaceae    |
| * 10 Stemonitaceae                  | 31 Rhizomastigaceae   |
| 11 Brefeldiaceae                    | E 10 PROTOMASTIGALES  |
| * 12 Spumariaceae                   | 32 Oicomonadaceae     |
| * 13 Didymiaceae                    | 33 Bicoecaceae        |
| * 14 Physaraceae                    | 34 Craspedomonadaceae |
| E 5 EUBACTERIALES                   | 35 Phalansteriaceae   |
| * 15 Coccaceae                      | 36 Monadaceae         |
| * 16 Bacteriaceae                   | 37 Bodonaceae         |
| * 17 Spirillaceae                   | 38 Amphimonadaceae    |
| * 18 Chlamydo <b>u</b> bacteriaceae | 39 Trimastigaceae     |
|                                     | 40 Tetramitaceae      |

(1) Sequitur systema naturale Englerianum in opere "Engler & Pranti, Die natürlichen Pflanzenfamilien" in extenso publicatum, postea paululo commutatum.



- E 11 DISTOMATINALES  
41 Distomataceae
- E 12 CHRYSOMONADALES  
42 Chromulinaceae  
43 Hymenomonadaceae  
44 Ochromonadaceae
- E 13 CRYPTOMONADALES  
45 Cryptomonadaceae
- E 14 CHLOROMONADALES  
46 Chloromonadaceae
- E 15 EUGLENALES  
\* 47 Euglenaceae  
48 Astasiaceae  
49 Peranemataceae
- E 16 PERIDINIALES  
(DINOFLAGELLATAE,  
CILIOFLAGELLATAE)  
50 Gymnodiniaceae  
51 Procoenocetraceae  
52 Peridiniaceae
- E 17 BACILLARIALES  
(DIATOMAEAE)  
\* 53 Bacillariaceae
- E 18 CONJUGATAE  
\* 54 Desmidiaceae  
\* 55 Zygnema (ta) ceae  
56 Mesocarpaceae
- E 19 PROTOCOCCALES  
\* 57 Volvocaceae  
58 Tetrasporaceae  
59 Chlorosphaeraceae  
\* 60 Pleurococcaceae  
61 Protococcaceae  
62 Hydrodictyaceae
- E 20 CONFERVALES  
\* 63 Ulvaceae
- \* 64 Ulotrichaceae  
\* 65 Chaetophoraceae  
66 Mycoideaceae  
67 Cyindrocapsaceae  
\* 68 Oedogoniaceae  
69 Coleochaetaceae  
\* 70 Cladophoraceae  
71 Gomontiaceae  
72 Sphaeropleaceae
- E 21 SIPHONALES  
73 Botrydiaceae  
74 Phyllosiphonaceae  
75 Bryopsidaceae  
76 Derbesiaceae  
\* 77 Vaucheriaceae  
78 Caulerpaceae  
\* 79 Codiaceae  
80 Valoniaceae  
81 Dasycladaceae
- E 22 CHARALES  
\* 82 Characeae
- E 23 PHAEOSPORALES  
83 Ectocarpaceae  
84 Choristocarpaceae  
85 Sphacelariaceae  
86 Encoeliaceae  
87 Striariaceae  
88 Desmarestiaceae  
89 Dictyosiphonaceae  
90 Myriotrichiaceae  
91 Elichistaceae  
92 Chordariaceae  
93 Stilophoraceae  
94 Spermatochnaceae  
95 Sporochneaceae  
96 Ralfsiaceae  
\* 97 Laminariaceae  
98 Lithodermataceae  
99 Cutleriaceae  
100 Tilopteridaceae

E 24 CYCLOSPORALES

- \* 101 Fucaceae

E 25 DICTYOTALES

- \* 102 Dictyotaceae

E 26 BANGIALES

- 103 Bangiaceae
- 104 Rhodochaetaceae
- 105 Compsopogonaceae

E 27 NEMALIONALES

- 106 Thoreaceae
- 107 Lemnaceae
- \* 108 Helminthocladiaceae
- 109 Chaetangiaceae
- \* 110 Gelidiaceae

E 28 GIGARTINALES

- 111 Acrotylaceae

- \* 112 Gartinaceae

- 113 Rhodophyllidaceae

E 29 RHODYMENIALES

- \* 114 Sphaerococcaceae

- \* 115 Rhodymeniaceae

- \* 116 Delesseriaceae

- 117 Bonnemaisoniaceae

- \* 118 Rhodomelaceae

- \* 119 Ceramiaceae

E 30 CRYPTONEMIALES

- 120 Gloiosiphoniaceae

- 121 Grateloupiaceae

- 122 Dumontiaceae

- 123 Nemastomaceae

- 124 Rhizophyllidaceae

- 125 Squamariaceae

- \* 126 Corallinaceae

## MYCETOPHYTA

M 1 SYNCHYTRIALES

- 1 Olpidiaceae
- \* 2 Synchytriaceae
- 3 Rhizidiaceae
- 4 Cladochytriaceae
- 5 Hyphochytriaceae
- \* 6 Oochytriaceae

M 2 ANCYLISTALES

- 7 Lagenidiaceae
- 8 Ancylistaceae

M 3 SAPROLEGNIALES

- 9 Saprolegniaceae

M 4 LEPTOMITALES

- 10 Leptomitaceae
- 11 Pythiaceae

M 5 MONOBLEPHARIDALES

- 12 Monoblepharidaceae

M 6 PERONOSPORALES

- \* 13 Albuginaceae

- \* 14 Peronosporaceae

M 7 MUCORALES

- \* 15 Mucoraceae

- 16 Mortierellaceae

- 17 Choanephoraceae

- 18 Chaetocladiaceae

- 19 Piptocephalidaceae

M 8 ENTOMOPHTHORALES

- \* 20 Entomophthoraceae

M 9 HEMIASCALES

- 21 Ascoideaceae

- 22 Protomycetaceae

- 23 Monascaceae

- \* 24 Saccharomycetaceae

M 10 PROTOASCALES

- 25 Endomycetaceae



M 11 PROTGDISCALES

- \* 26 Exoascaceae
- 27 Ascocorticiaceae

M 12 HELVELLALES

- 28 Geoglossaceae
- 29 Helvellaceae
- 30 Rhizinaceae

M 13 PEZIZALES

- 31 Pyronemataceae
- \* 32 Pezizaceae
- \* 33 Ascobolaceae
- \* 34 Helotiaceae
- \* 35 Mollisiaceae
- 36 Celidiaceae
- \* 37 Patellariaceae
- 38 Cenangiaceae
- 39 Cordieritidaceae
- 40 Cyttariaceae

M 14 PHACIDIALES

- 41 Stictidaceae
- 42 Trybliaceae
- 43 Phacidiaceae

M 15 HYSTERIALES

- 44 Hypodermataceae
- 45 Dichaenaceae
- 46 Ostropaceae
- 47 Hysteriaceae
- 48 Acrospermaceae

M 16 TUBERALES

- 49 Eutuberaceae
- 50 Balsamiaceae

M 17 PLECTASCALES

- 51 Gymnoascaceae
- \* 52 Aspergillaceae
- 53 Onygenaceae
- 54 Trichocomaceae
- 55 Elaphomycetaceae
- 56 Terfeziaceae
- 57 Myriangiaceae  
(Phymatosphaeriaceae)

M 18 PERISPORIALES

- \* 58 Erysibaceae
- \* 59 Perisporiaceae
- 60 Microthyriaceae

M 19 PYRENOMYCETALES

(HYPOCREALES -| DO-  
THIDEALES -| SPHAE-  
RIALES)

- \* 61 Hypocreaceae
- \* 62 Dothideaceae
- 63 Chaetomiaceae
- \* 64 Sordariaceae
- \* 65 Sphaeriaceae
- 66 Ceratostomataceae
- 67 Cucurbitariaceae
- 68 Coryneliaceae
- 69 Amphisphaeriaceae
- 70 Lophiostomataceae
- \* 71 Mycosphaerellaceae
- \* 72 Pleosporaceae
- 73 Massariaceae
- 74 Gnomoniaceae
- 75 Clypeosphaeriaceae
- \* 76 Valsaceae
- 77 Melanconidaceae
- 78 Diatrypaceae
- 79 Melogrammataceae
- \* 80 Xylariaceae

M 20 LABOULBENIALES

- \* 81 Laboulbeniaceae

M 21 HEMIBASIDIALES

- \* 82 Ustilaginaceae
- \* 83 Tilletiaceae

M 22 UREDINALES

- \* 84 Melampsoraceae
- \* 85 Coleosporiaceae
- 86 Cronartiaceae
- \* 87 Pucciniaceae

M 23 AURICULARIALES

- \* 88 Auriculariaceae
- 89 Pilacraceae

M 24 TREMELLALES

- 90 Sirobasidiaceae
- 91 Tremellaceae
- 92 Hya'oriaceae

M 25 DACRYOMYCETALES

- \* 93 Dacryomycetaceae

M 26 TULASNELLALES

- 94 Tulasnellaceae

M 27 EXOBASIDIALES

- 95 Exobasidiaceae

M 28 THELEPHORALES

- \* 96 Corticiaceae
- \* 97 Thelephoraceae
- 98 Cyphellaceae
- 99 Craterellaceae

M 29 CLAVARIALES

- \* 100 Clavariaceae

M 30 HYDNALES

- \* 101 Hydnaceae

M 31 POLYPORALES

- 102 Meruliaceae
- \* 103 Polyporaceae
- 104 Fistulinaceae
- \* 105 Boletaceae

M 32 AGARICALES

- 106 Cantharellaceae
- \* 107 Paxillaceae
- \* 108 Coprinaceae

- \* 109 Hygrophoraceae
- 110 Russu'aceae
- \* 111 Schizophyl'aceae
- \* 112 Marasmiaceae
- \* 113 Agaricaceae

M 33 PHALLALES

- \* 114 Clathraceae
- \* 115 Phallaceae

M 34 HYMENOGASTRALES

- 116 Secotiaceae
- 117 Hysterangiaceae
- 118 Hymenogastraceae

M 35 LYCOPERDALES

- \* 119 Lycoperdaceae
- \* 120 Nidulariaceae
- 121 Podaxaceae
- \* 122 Sclerodermataceae
- 123 Calostomataceae
- \* 124 Tyios'omataceae
- 125 Sphaerobolaceae

M 36 SPHAEROPSIDALES

- \* 126 Sphaerioid(e)aceae
- 127 Nectrioid(e)aceae
- \* 128 Leptostromataceae
- 129 Excipuiaceae

M 37 MELANCONIALES

- \* 130 Melanconiaceae

M 38 HYPHOMYCETALES

- \* 131 Mucedinaceae
- \* 132 Dematiaceae
- \* 133 Stilbaceae
- \* 134 Tuberculariaceae

## LICHENOPHYTA

L 1 ASCOLICHENES

- 1 Morioliaceae
- 2 Epigloeaceae

- 3 Verrucariaceae
- 4 Dermatocarpaceae
- 5 Pyrenothamniaceae



- |                         |                       |
|-------------------------|-----------------------|
| * 6 Pyrenulaceae        | 31 Phylloporaceae     |
| 7 Phyllopyreniaceae     | * 32 Cladoniaceae     |
| 8 Trypetheliaceae       | 33 Gyrophoraceae      |
| 9 Paratheliaceae        | 34 Acarosporaceae     |
| 10 Astrotheliaceae      | 35 Epehaceae          |
| 11 Strigulaceae         | 36 Pyrenopsidaceae    |
| 12 Pyrenidiaceae        | 37 Lichinaceae        |
| 13 Mycoporaceae         | 38 Collema (ta) ceae  |
| 14 Caliciaceae          | 39 Heppiaceae         |
| 15 Cypheliaceae         | 40 Pannariaceae       |
| 16 Sphaerophoraceae     | 41 Stictaceae         |
| 17 Arthoniaceae         | 42 Peltigeraceae      |
| 18 Graphidaceae         | * 43 Pertusariaceae   |
| 19 Chiodectionaceae     | * 44 Lecanoraceae     |
| 20 Dirinaceae           | * 45 Parmeliaceae     |
| 21 Roccellaceae         | * 46 Usneaceae        |
| 22 Lecanactidaceae      | * 47 Caloplacaceae    |
| 23 Pilocarpaceae        | * 48 Theloschistaceae |
| 24 Chrysotrichaceae     | 49 Buelliaceae        |
| 25 Thelotrema (ta) ceae | 50 Physciaceae        |
| * 26 Diplochistaceae    | 51 Byssocaulaceae     |
| 27 Ectolechiaceae       | L 2 HYMENOLICHENES    |
| 28 Gyalectaceae         | (BASIDIOLICHENES)     |
| 29 Coenogoniaceae       | 52 Coraceae           |
| * 30 Lecideaceae        |                       |

## BRYOPHYTA

- |                     |                     |
|---------------------|---------------------|
| B 1 MARCHANTIALES   | (acrogynae)         |
| * 1 Ricciaceae      | 10 Epigonianthaceae |
| * 2 Marchantiaceae  | 11 Trigonanthaceae  |
| B 2 ANTHOCEROTALES  | 12 Ptilidiaceae     |
| * 3 Anthocerotaceae | 13 Scapaniaceae     |
| B 3 JUNGERMANNIALES | 14 Stephaninaceae   |
| (anacrogynae)       | 15 Pleuroziaceae    |
| 4 Sphaerocarpaceae  | 16 Bellinciniaceae  |
| 5 Riellaceae        | 17 Jubulaceae       |
| 6 Metzgeriaceae     | B 4 SPHAGNALES      |
| 7 Leptothecaceae    | 18 Sphagnaceae      |
| 8 Codoniaceae       | B 5 ANDREAEALES     |
| 9 Haplomitriaceae   | 19 Andreaeaceae     |

B 6 BRYALES

- \* 20 Archidiaceae
- \* 21 Dicranaceae
- 22 Dicnemonaceae
- 23 Leucobryaceae
- \* 24 Fissidentaceae
- 25 Calymperaceae
- \* 26 Pottiaceae
- 27 Encalyptaceae
- \* 28 Grimmiaceae
- 29 Eustichiaceae
- \* 30 Orthostichaceae
- 31 Splachnaceae
- 32 Oedipodiaceae
- 33 Discellaceae
- \* 34 Funariaceae
- 35 Schistostegaceae
- 36 Drepanophyllaceae
- 37 Mitteniaceae
- \* 38 Bryaceae
- 39 Leptostromaceae
- \* 40 Mniaceae
- 41 Rhizogoniaceae
- 42 Aulacomniaceae
- 43 Meeseaceae
- 44 Catoscopiaceae
- \* 45 Bartramiaceae
- 46 Timmiaceae
- 47 Weberiaceae
- 48 Buxbaumiaceae
- 49 Calomniaceae
- 50 Georgiaceae
- 51 Dawsoniaceae
- \* 52 Polytrichaceae
- 53 Erpodiaceae
- \* 54 Hedwigiaceae
- 55 Fontinalaceae
- 56 Climaciaceae
- 57 Cryphaeaceae
- \* 58 Leucodontaceae
- 59 Prionodontaceae
- 60 Cyrtopodaceae
- 61 Echinodiaceae
- 62 Ptychomniaceae
- 63 Spiridentaceae
- 64 Lepyrodontaceae
- 65 Pleurophascaceae
- 66 Myuriaceae
- \* 67 Neckeraceae
- 68 Lembophyllaceae
- 69 Entodontaceae
- 70 Sorapillaceae
- \* 71 Fabroniaceae
- 72 Pilotrichaceae
- \* 73 Hookeriaceae
- \* 74 Hypopterygiaceae
- 75 Nemat(oc)aceae
- 76 Helicophyllaceae
- 77 Rhacopilaceae
- \* 78 Leskeaceae
- \* 79 Hypnaceae
- 80 Leucomiaceae
- \* 81 Sematophyllaceae
- 82 Rhegmatodontaceae
- \* 83 Brachytheciaceae
- 84 Hypnodendraceae





## B. INDEX ALPHABETICUS

- Acarosporaceae L 1/34 — 8  
 NP: I, 1\*, p. 150, 1906 (Zahlbruckner) — 47
- ACRASIALES E 1
- Acrospormaceae M 15/48 — 28  
 NP: I, 1, p. 277, 1896 (Lindau) — 7
- Agaricaceae M 32/113 — 1  
 Cf. Cantharellaceae, Coprinaceae, Hygrophoraceae, Marasmiaceae, Paxillaceae, Russulaceae, Schizophyllaceae — 2  
 NP: I, 1\*\*, p. 198, 1897 (Hennings) — 54 — 29
- AGARICALES M 32 — 108
- Albuginaceae M 6/13 — 6  
 NP: I, 1, p. 110, 1893 (Schroeter) — I, 1\*\*, p. 530, 1900 — 74  
 (Lindau) — 2
- Amphimonadaceae E 10/38 — 28  
 NP: I, 1a, p. 137, 1900 (Senn) — 011
- Amphisphaeriaceae M 19/ 69 — 12254  
 NP: I, 1, p. 413, 1897 (Lindau) — 4
- Arcylistaceae M 2/8 — 8  
 NP: I, 1, p. 92, 1893 (Schroeter) — 0
- ANCYLISTALES M 2 — 100 56
- Andreaeaceae B 5/19 — 56  
 NP: I, 3, p. 265, 1901 — I, 3, p. 1173, 1909 (Brotherus) — 78
- ANDREAEALES B 5 — 64
- Anthocerotaceae B 2/3 — 15  
 NP: I, 3, p. 135, 1893 (Schiffner) — 19
- ANTHOCEROTALES B 2 — 88
- Archidiaceae B 6/20 — 906  
 NP: I, 3, p. 288, 1901 (Brotherus) — 438
- Arthoniaceae L 1/17 — 2  
 NP: I, 1\*, p. 89, 1906 (Zahlbruckner) — 2
- Ascobolaceae M 13/33 — 105  
 NP: I, 1, p. 188, 1894 — I, 1\*\*, p. 532, 1900 (Lindau) — 1929
- Ascocorticiaceae M 11/27 — 108  
 NP: I, 1, p. 161, 1894 (Schroeter) — 8

Ascoideaceae M 9/21

NP: I, 1, p. 145, 1894 (Schroeter) — I, 1\*\*, p. 531, 1900  
(Lindau)

ASCOLICHENES L 1

Aspergillaceae M 17/52

NP: I, 1, p. 297, 1896 (Lindau) — I, 1\*\*, p. 537, 1900  
(Fischer)

Astasiaceae E 15/48

NP: I, 1a, p. 177, 1900 (Senn)

Astrotheliaceae L 1/10

NP: I, 1\*, p. 73, 1906 (Zahlbruckner)

Aulacomniaceae B 6/42

NP: I, 3, p. 623, 1904 — I, 3, p. 1208, 1909 (Brotherus)

Auriculariaceae M 23/88

NP: I, 1\*\*, p. 83, 1897 — I, 1\*\*, p. 553, 1900 (Lindau)

AURICULARIALES M 23

Ecillariaceae E 17/53

NP: I, 1b, p. 31, 1896 (Schuett)

BACILLARIALES E 17

Cf. DIATOMEAE

Bacteriaceae E 5/16

NP: I, 1a, p. 20, 1895 (Migula)

Balsamiaceae M 16/50

NP: I, 1, p. 288, 1896 (Lindau) — I, 1\*\*, p. 535, 1900  
(Fischer)

Bangiaceae E 26/103

NP: I, 2, p. 307, 1896 (Schmitz)

BANGIALES E 26

Bartramiaceae B 6/45

NP: I, 3, p. 631, 1904 — I, 3, p. 1209, 1909 (Brotherus)

BASIDIOLICHENES

Cf. HYMENOLICHENES

Beggiatoaceae E 7/20

NP: I, 1a, p. 41, 1895 (Migula)

Bellinciniaceae B 3/16

Cf. Jungermanniaceae acrogynae

Bicoecaceae E 10/33

NP: I, 1a, p. 121, 1900 (Senn)

Bodonaceae E 10/37

NP: I, 1a, p. 133, 1900 (Senn)



- Boletaceae M 31/105  
Cf. Polyporaceae
- Bonnemaisoniaceae E 29/117  
NP: I, 2, p. 417, 1897 (Schmitz & Hauptfleisch)
- Botrydiaceae E 21/73  
NP: I, 2, p. 123, 1890 (Wille)
- Brachytheciaceae B 6/83  
NP: I, 3, p. 1128, 1908 — I, 3, p. 1238, 1909 (Brotherus)
- Brefeldiaceae E 4/11  
NP: I, 1, p. 28, 1889 (Schroeter)
- Bryaceae B 6/38  
NP: I, 3, p. 532, 1903 — I, 3, p. 1204, 1909 (Brotherus)
- BRYALES B 6
- Bryopsidaceae E 21/75  
NP: I, 2, p. 127, 1890 (Wille)
- Buelliaceae L 1/49  
NP: I, 1\*, p. 230, 1907 (Zahlbruckner)
- Baxbaumiaceae B 6/48  
NP: I, 3, p. 664, 1904 (Brotherus)
- Bessocaulaceae L 1/52
- Celiciaceae L 1/14  
NP: I, 1\*, p. 80, 1903 (Zahlbruckner)
- Celomniaceae B 6/49  
NP: I, 3, p. 666, 1904 (Brotherus)
- Caloplacaceae L 1/47  
NP: I, 1\*, p. 266, 1907 (Zahlbruckner)
- Celostomataceae M 35/123  
NP: I, 1\*\*, p. 339, 1899 (Fischer)
- Calymperaceae B 6/25  
NP: I, 3, p. 363, 1901 — I, 3, p. 1188 (Brotherus)
- Camptotrichaceae E 8/29  
NP: I, 1a, p. 90, 1898 (Kirchner)
- Cantharellaceae M 32/106  
Cf. Agaricaceae
- Catoscopiaceae B 6/44  
NP: I, 3, p. 629, 1904 (Brotherus)
- Caulerpceae E 21/78  
NP: I, 2, p. 134, 1890 (Wille)
- Celidiaceae M 13/36  
NP: I, 1, p. 218, 1894 — I, 1\*\*, p. 533, 1900 (Lindau)
- Cenangiaceae M 13/38  
NP: I, 1, p. 231, 1894 (Lindau)

Ceramiaceae E 29/119

NP: I, 2, p. 481, 1897 (Schmitz & Hauptfleisch)

Ceratiomyxaceae E 3/4

NP: I, 1, p. 15, 1889 (Schroeter)

CERATIOMYXALES E 3

Cf. MYXOGASTERES ECTOSPOREAE

Ceratostomataceae M 19/66

NP: I, 1, p. 405, 1897 — I, 1\*\*, p. 543, 1900 (Lindau)

Chaetangiaceae E 27/109

NP: I, 2, p. 335, 1896 (Schmitz & Hauptfleisch)

Chaetocladiaceae M 7/18

NP: I, 1, p. 131, 1893 (Schroeter)

Chaetomiaceae M 19/63

NP: I, 1, p. 387, 1897 (Lindau)

Chaetophoraceae E 20/65

NP: I, 2, p. 86, 1890 — I, 2, p. 160, 1890 (Wille)

Clamaesiphonaceae E 8/23

NP: I, 1a, p. 57, 1898 (Kirchner)

Characeae E 22/82

NP: I, 2, p. 161, 1891 (Wille)

CHARALES E 22

Chiodectonaceae L 1/19

NP: I, 1\*, p. 102, 1905 (Zahlbruckner)

Chlamydobacteriaceae E 5/18

NP: I, 1a, p. 35, 1895 (Migula)

CHLOROMONADALES E 14

Chlorosphaeraceae E 19/59

NP: I, 2, p. 52, 1890 (Wille)

Choanephoraceae M 7/17

NP: I, 1, p. 131, 1893 (Schroeter)

Chordariaceae E 23/92

NP: I, 2 p. 221, 1895 (Kjellman)

Choristocarpaceae E 23/84

NP: I, 2, p. 190, 1891 (Kjellman)

Chromulinaceae E 12/42

NP: I, 1a, p. 153, 1900 (Senn)

Chroococcaceae E 8/22

NP: I, 1a, p. 50, 1898 (Kirchner)

CHRYSOMONADALES E 12

Chrysotrichaceae L 1/24



- NP: I, 1\*, p. 117, 1907 — I, 1\*, p. 242, 1907 (Zahlbruckner)
- CHYTRIDIALES M 1
- CILIOFLAGELLATAE
- Cf. DINOFLAGELLATAE, PERIDINIALES
- Cladochytriaceae M 1/4
- NP: I, 1, p. 80, 1892 (Schroeter) — I, 1\*\*, p. 527, 1900 (Lindau)
- Cladoniaceae L 1/32
- NP: I, 1\*, p. 139, 1905 (Zahlbruckner)
- Cladophoraceae E 20/70
- NP: I, 2, p. 114, 1890 (Wille)
- Clathraceae M 33/114
- NP: I, 1\*\*, p. 280, 1898 (Fischer)
- Clathroptychiaceae E 4/6
- NP: I, 1, p. 18, 1889 (Schroeter)
- Clavariaceae M 29/100
- NP: I, 1\*\*, p. 130, 1897 (Hennings)
- CLAVARIALES M 29
- Climaciaceae B 6/56
- NP: I, 3, p. 733, 1905 — I, 3, p. 1213, 1909 (Brotherus)
- Clypeosphaeriaceae M 19/75
- NP: I, 1, p. 451, 1897 (Lindau)
- Coccaceae E 5/15
- NP: I, 1a, p. 14, 1895 (Migula)
- Codiaceae E 21/79
- NP: I, 2, p. 138, 1890 (Wille)
- Codoniaceae B 3/8
- Cf. Jungermanniaceae anacrogynae
- Coenogoniaceae L 1/29
- NP: I, 1\*, p. 127, 1905 (Zahlbruckner)
- Celeochaetaceae E 20/69
- NP: I, 2, p. 111, 1890 (Wille)
- Coleosporiaceae M 22/85
- NP: I, 1\*\*, p. 548, 1900 (Dietel)
- Collema(ta)ceae L 1/38
- NP: I, 1\*, p. 168, 1906 (Zahlbruckner)
- Compsopogonaceae E 26/105
- NP: I, 2, p. 318, 1896 (Schmitz)
- CONFERVALES E 20
- CONJUGATAE E 18

- Coprinaceae M 32/108  
Cf. Agaricaceae
- Coraceae L 2/52
- Corallinaceae E 30/126  
NP: I, 2, p. 537, 1897 (Schmitz & Hauptfleisch)
- Cordieritidaceae M 13/39  
NP: I, 1, p. 241, 1894 (Lindau)
- Corticaceae M 28/96  
Cf. Hypochnaceae
- Coryneliaceae M 19/68  
NP: I, 1\*\*, p. 543, 1900 (Lindau)
- Craspedomonadaceae E 10/34  
NP: I, 1a, p. 123, 1900 (Senn)
- Craterellaceae M 28/99  
Cf. Cyphel'aceae, Thelephoraceae
- Cribrariaceae E 4/7  
NP: I, 1, p. 18, 1889 (Schroeter)
- Cronartiaceae M 22/86  
Cf. Endophyllaceae, Schizosporaceae  
NP: I, 1\*\*, p. 548, 1900 (Dietel)
- Cryphaeaceae B 6/57  
NP: I, 3, p. 736, 1905 — I, 3, p. 1214, 1909 (Brotherus)
- Cryptomonadaceae E 13/45
- CRYPTONEMIALES E 30
- Cucurbitariaceae M 19/67  
NP: I, 1, p. 408, 1897 — I, 1\*\*, p. 545, 1900 (Lindau)
- Cutleriaceae E 28/99  
NP: I, 2, p. 262, 1893 (Kjellman)
- CYCLOSPORALES E 24
- Cylindrocapsaceae E 20/67  
NP: I, 2, p. 106, 1890 (Wille)
- Cypheliaceae L 1/15  
NP: I, 1\*, p. 83, 1903 (Zahlbruckner)
- Cyphellaceae M 28/98  
Cf. Craterellaceae, Thelephoraceae
- CRYPTOMONADALES E 13
- Cyrtopodaceae B 6/60  
NP: I, 3, p. 1215, 1909 (Brotherus)
- Cyttariaceae M 13/40  
NP: I, 1, p. 241, 1894 (Lindau)
- Dacryomycetaceae M 25/93



- NP: I, 1\*\*, p. 97, 1897 (Hennings)
- DACRYOMYCETALES M 25
- Drsycladaceae E 21/81
- NP: I, 2, p. 152, 1890 (Wille)
- Dawsoniaceae B 6/51
- NP: I, 3, p. 698, 1905 (Brotherus)
- Delesseriaceae E 29/116
- NP: I, 2, p. 406, 1897 (Schmitz & Hauptfleisch)
- Dematiaceae M 38/132
- NP: I, 1\*\*, p. 454, 1900 (Lindau)
- Derbesiaceae E 21/76
- NP: I, 2, p. 129, 1890 (Wille)
- Dermatocarpaceae L 1/4
- NP: I, 1\*, p. 58, 1903 (Zahlbruckner)
- Desmarestiaceae E 23/88
- NP: I, 2, p. 209, 1893 (Kjellman)
- Desmidiaceae E 18/54
- NP: I, 2, p. 1, 1890 — I, 2, p. 159 (Wille)
- DIATOMEAE
- Cf. BACILLARIALES
- Diatrypaceae M 19/78
- NP: I, 1, p. 472, 1897 (Lindau)
- Dichaenaceae M 15/45
- NP: I, 1, p. 270, 1896 (Lindau)
- Dicnemonaceae B 6/22
- NP: I, 3, p. 1186, 1909 (Brotherus)
- Dicranaceae B 6/21
- NP: I, 3, p. 289, 1901 — I, 3, p. 1173, 1909 (Brotherus)
- Dictyosiphonaceae E 23/89
- NP: I, 2, p. 212, 1893 (Kjellman)
- Dictyosteliaceae E 1/2
- NP: I, 1, p. 4, 1889 (Schroeter)
- Dictyotaceae E 25/102
- NP: I, 2, p. 291, 1893 (Kjellman)
- DICTYOTALES E 25
- Didymiaceae E 4/13
- NP: I, 1, p. 30, 1889 (Schroeter)
- DINOFLAGELLATAE
- Cf. CILIOFLAGELLATAE, PERIDINIALES
- Diplochistaceae L 1/26

- NP: I, 1\*, p. 121, 1905 (Zahlbruckner)  
Dirinaceae L 1/20  
NP: I, 1\*, p. 105, 1905 (Zahlbruckner)  
Disceliaceae B 6/33  
NP: I, 3, p. 508, 1903 (Brotherus)  
Distomataceae E 11/41  
NP: I, 1a, p. 147, 1900 (Senn)  
DISTOMATINALES E 11  
Dothideaceae M 19/62  
NP: I, 1, p. 375, 1897 — I, 1\*\*, p. 541, 1900 (Lindau)  
DOTHIDEALES  
Cf. PYRENOAMYCETALES  
Drepanophyllaceae B 6/26  
NP: I, 3, p. 530, 1903 (Brotherus)  
Dymontiaceae E 30/122  
NP: I, 2, p. 515, 1897 (Schmitz & Hauptfleisch)  
Echinodiaceae B 6/61  
NP: I, 3, p. 1216, 1909 (Brotherus)  
Fetocarpaceae E 23/83  
NP: I, 2, p. 182, 1891 (Kjellman)  
Ectolechiaceae L 1/27  
NP: I, 1\*, p. 122, 1905 (Zahlbruckner)  
Flachistaceae E 23/91  
NP: I, 2, p. 216, 1893 (Kjellman)  
Elaphomycetaceae M 17/55  
NP: I, 1, p. 311, 1896 (Lindau)  
Encalyptaceae B 6/14  
NP: I, 3, p. 1196, 1909 (Brotherus)  
Encoeliaceae E 23/86  
NP: I, 2, p. 197, 1893 (Kjellman)  
Endomycetaceae M 10/25  
NP: I, 1, p. 154, 1894 (Schroeter)  
Endophyllaceae  
Cf. Cronartiaceae, Schizosporaceae  
NP: I, 1\*\*, p. 35, 1900 — I, 1\*\*, p. 549, 1900 (Dietel)  
Entodontaceae B 6/69  
NP: I, 3, p. 870, 1907 — I, 3, p. 1231, 1909 (Brotherus)  
Entomophthoraceae M 8/20  
NP: I, 1, p. 137, 1893 (Schroeter) — I, 1\*\*, p. 531, 1900  
(Lindau)  
ENTOMOPHTHORALES M 8



- Ephebeaceae L 1/35  
NP: I, 1\*, p. 154, 1906 (Zahlbruckner)
- Epigloeaceae L 1/2  
NP: I, 1\*, p. 53, 1903 (Zahlbruckner)
- Epigonanthaceae B 3/10  
Cf. Jungermanniaceae acrogynae
- Erpodiaceae B 6/53  
NP: I, 3, p. 706, 1905 — I, 3, p. 1213, 1909 (Brotherus)
- Erysibaceae M 18/58  
NP: I, 1, p. 328, 1897 (Lindau)
- EUBACTERIALES E 5
- Euglenaceae E 15/47  
NP: I, 1a, p. 174, 1900 (Sena)
- EUGLENALES E 15
- Eustichiaceae B 6/29  
NP: I, 3, p. 1198, 1909 (Brotherus)
- Eutuberaceae M 16/49  
NP: I, 1, p. 281, 1896 (Lindau) — I, 1\*\*, p. 535, 1900  
(Fischer)
- Excipulaceae M 36/129  
NP: I, 1\*\*, p. 392, 1900 (Lindau)
- Exoascaceae M 11/26  
NP: I, 1, p. 158, 1894 (Schroeter)
- Exobasidiaceae M 27/95  
NP: I, 1\*\*, p. 103, 1897 (Hennings)
- EXOBASIDIALES M 27
- Fabroniaceae B 6/71  
NP: I, 3, p. 899, 1907 — I, 3, p. 1232, 1909 (Brotherus)
- Fissidentaceae B 6/24  
NP: I, 3, p. 351, 1901 — I, 3, p. 1187, 1909 (Brotherus)
- Fistulinaceae M 31/104  
Cf. Boletaceae, Meruliaceae, Polyporaceae
- Fontinalaceae B 6/55  
NP: I, 3, p. 722, 1905 — I, 3, p. 1213, 1909 (Brotherus)
- Fucaceae E 24/101  
NP: I, 2, p. 268, 1893 (Kjellman)
- Funariaceae B 6/34  
NP: I, 3, p. 509, 1903 — I, 3, p. 1203, 1909 (Brotherus)
- Gelidiaceae E 27/110  
NP: I, 2, p. 340, 1896 (Schmitz & Hauptfleisch)
- Geoglossaceae M 12/28  
NP: I, 1, p. 163, 1894 (Schroeter)
- Georgiaceae B 6/50

- NP: I, 3, p. 667, 1904 (Brotherus)  
Gigartinaceae E 28/112  
NP: I, 2, p. 352, 1895 (Schmitz & Hauptfleisch)  
GIGARTINALES E 28  
Gloiosiphoniaceae E 30/120  
NP: I, 2, p. 504, 1897 (Schmitz & Hauptfleisch)  
Gnomoniaceae M 19/74  
NP: I, 1, p. 447, 1897 (Lindau)  
Gomontiaceae E 20/71  
NP: I, 2, p. 119, 1890 (Wille)  
Gyrodactylaceae L 1/18  
NP: I, 1\*, p. 92, 1903 (Zahlbruckner)  
Grateloupiaceae E 30/121  
NP: I, 2, p. 508, 1897 (Schmitz & Hauptfleisch)  
Grimmiaceae B 6/28  
NP: I, 3, p. 439, 1902 — I, 3, p. 1196, 1909 (Brotherus)  
Guttulinaceae E 1/1  
NP: I, 1, p. 2, 1889 (Schroeter)  
Gyalectaceae L 1/28  
NP: I, 1\*, p. 124, 1905 (Zahlbruckner)  
Gymmoascaceae M 17/51  
NP: I, 1, p. 293, 1896 (Lindau)  
Gymnodiniaceae E 16/50  
NP: I, 1b, p. 2, 1896 (Schuett)  
Gyrophoraceae L 1/33  
NP: I, 1\*, p. 147, 1906 (Zahlbruckner)  
Haplomitriaceae B 3/9  
Cf. Jungermanniaceae anacrogynae  
Hedwigiaceae B 6/54  
NP: I, 3, p. 712, 1905 — I, 3, p. 1213, 1909 (Brotherus)  
Helicophyllaceae B 6/76  
NP: I, 3, p. 973, 1907 (Brotherus)  
Helminthocladaceae E 27/108  
NP: I, 2, p. 327, 1896 (Schmitz & Hauptfleisch)  
Pelotiaceae M 13/34  
NP: I, 1, p. 193, 1894 — I, 1\*\*, p. 533, 1900 (Lindau)  
Helvellaceae M 12/29  
NP: I, 1, p. 167, 1894 (Schroeter)  
HELVELLALES M 12  
HEMIAASCALES M 9  
HEMIBASIDIALES M 21





Heppiaceae L 1/39

NP: I, 1\*, p. 176, 1906 (Zahlbruckner)

Hclomastigaceae E 9/30

NP: I, 1a, p. 112, 1900 (Senn)

Hookeriaceae B 6/73

NP: I, 3, p. 918, 1907 — I, 3, p. 1232, 1909 (Brotherus)

Hyaloriaceae M 24/92

NP: I, 1\*\*, p. 95, 1897 (Lindau)

Hydnaceae M 30/101

NP: I, 1\*\*, p. 139, 1897 (Hennings)

HYDNALES M 30

Hydrodictyaceae E 19/62

NP: I, 2, p. 60, 1890 (Wille)

Hygrohoraceae M 32/109

Cf. Agaricaceae

Hymenogastraceae M 34/118

NP: I, 1\*\*, p. 308, 1898 (Fischer)

HYMENOGASTRALES M 34

HYMENOLICHENES L 2

Cf. BASIDIOLICHENES

Hymenomonadaceae E 12/45

NP: I, 1a, p. 159, 1900 (Senn)

Hyphochytriaceae M 1/5

NP: I, 1, p. 83, 1892 (Schroeter) — I, 1\*\*, p. 527 (Lindau)

HYPHOMYCETALES M 38

Hypnaceae B 6/79

NP: I, 3, p. 1020, 1908 — I, 3, p. 1236, 1909 (Brotherus)

Hypnodendraceae B 6/84

NP: I, 3, p. 1166, 1909 (Brotherus)

Hypochnaceae

Cf. Corticiaceae

NP: I, 1\*\*, p. 114, 1897 (Hennings)

Hypocreaceae M 19/61

NP: I, 1, p. 345, 1897 — I, 1\*\*, p. 540, 1900 (Lindau)

HYPOCREALES

Cf. PYRENOMYCETALES

Hypodermataceae M 15/44

NP: I, 1, p. 267, 1896 (Lindau)

Hypopterygiaceae B 6/74

NP: I, 3, p. 964, 1906 — I, 3, p. 1235, 1909 (Brotherus)

Hysteriangiaceae M 34/117

NP: I, 1\*\*, p. 304, 1898 (Fischer)

Hysteriaceae M 15/47

NP: I, 1, p. 272, 1896 — I, 1\*\*, p. 534, 1900 (Lindau)

HYSTERIALES M 16

Jubulaceae B 3/17

Cf. Jungermanniaceae acrogynae

Jungermanniaceae acrogynae

Cf. Belliniaceae, Epigonianthaceae, Jubulaceae, Pleuroziaceae, Ptilidiaceae, Scapaniaceae, Stephaninaceae, Trigonanthaceae

NP: I, 3, p. 61, 1893 (Schiffner)

Jungermanniaceae anacrogynae

Cf. Codoniaceae, Haplomitriaceae, Leptothecaceae, Metzgeriaceae, Riellaceae, Sphaerocarpaceae

NP: I, 3, p. 38, 1893 (Schiffner)

JUNGERMANNIALES B 3

Laboulbeniaceae M 20/81

NP: I, 1, p. 495, 1897 — I, 1\*\*, p. 544 (Lindau)

LABOULBENIALES M 20

Lagenidiaceae M 2/7

NP: I, 1, p. 89, 1893 (Schroeter) — I, 1\*\*, p. 528, 1900 (Lindau)

Laminariaceae E 23/97

NP: I, 2, p. 242, 1893 (Kjellman)

Lecanactidaceae L 1/22

NP: I, 1\*, p. 114, 1905 (Zahlbruckner)

Lecanoraceae L 1/44

NP: I, 1\*, p. 199, 1907 (Zahlbruckner)

Lecideaceae L 1/30

NP: I, 1\*, p. 129, 1905 (Zahlbruckner)

Lemaneaceae E 27/107

NP: I, 2, p. 324, 1896 (Schmitz & Hauptfleisch)

Lembophyllaceae B 6/68

NP: I, 3, p. 863, 1906 — I, 3, p. 1230, 1909 (Brotherus)

Leptomitaceae M 4/10

NP: I, 1, p. 101, 1893 (Schroeter) — I, 1\*\*, p. 529, 1900 (Lindau)

LEPTOMITALES M 4

Leptostomaceae B 6/39

NP: I, 3, p. 601, 1904 (Brotherus)



**Leptostromataceae** M 36/128

NP: I, 1\*\*, p. 386, 1900 (Lindau)

**Leptothecaceae** B 3/7

Cf. **Jungermanniaceae anacrogynae**

**Lepyrodontaceae** B 6/64

NP: I, 3, p. 771, 1906 (Brotherus)

**Leskeaceae** B 6/78

NP: I, 3, p. 977, 1907 — I, 3, p. 1236, 1909 (Brotherus)

**Leucobryaceae** B 6/23

NP: I, 3, p. 342, 1901 — I, 3, p. 1186, 1909 (Brotherus)

**Leucodontaceae** B 6/58

NP: I, 3, p. 747, 1905 — I, 3, p. 1214, 1909 (Brotherus)

**Leucomiaceae** B 6/80

NP: I, 3, p. 1095, 1908 (Brotherus)

**Liceaceae** E 4/5

NP: I, 1, p. 16, 1889 (Schroeter)

**Lichinaceae** L 1/37

NP: I, 1\*, p. 164, 1906 (Zahlbruckner)

**Lithodermataceae** E 23/98

NP: I, 2, p. 260, 1893 (Kjellman)

**Lophiostomataceae** M 10/70

NP: I, 1, p. 417, 1897 (Lindau)

**Lycoperdaceae** M 35/119

NP: I, 1\*\*, p. 315, 1899 (Fischer)

**LYCOPERDALES** M 35

**Lyngbyaceae**

Cf. **Oscillatoriaceae**

**Marasmiaceae** M 32/112

Cf. **Agaricaceae**

**Marchantiaceae** B 1/2

NP: I, 3, p. 16, 1893 (Schiffner)

**MARCHANTIALES** B 1

**Massariaceae** M 19/73

NP: I, 1, p. 444, 1897 — I, 1\*\*, p. 544, 1900 (Lindau)

**Meeseaceae** B 6/43

NP: I, 3, p. 626, 1904 — I, 3, p. 1209, 1909 (Brotherus)

**Meiampōraceae** M 22/84

NP: I, 1\*\*, p. 38, 1900 — I, 1\*\*, p. 547, 1900 (Dietel)

**Melanconiaceae** M 37/130

NP: I, 1\*\*, p. 338, 1900 (Lindau)

**MELANCONIALES** M 37

**Melanconidaceae** M 19/77

- NF: I, 1, p. 468, 1897 (Lindau)  
Neelogrammataceae M 19/79  
NP: I, 1, p. 477, 1897 (Lindau)  
Meruliaceae M 31/102  
Cf. Polyporaceae  
Mesocarpaceae E 18/56  
NP: I, 2, p. 21, 1890 (Wille)  
Metzgeriaceae B 3/6  
Cf. Jungermanniaceae anacrogynae  
Microthyriaceae M 18/60  
NP: I, 1, p. 338, 1897 — I, 1\*\*, p. 539, 1900 (Lindau)  
Mitteniaceae B 6/37  
NP: I, 3, p. 532, 1903 (Brotherus)  
Mniaceae B 6/40  
NP: I, 3, p. 603, 1904 — I, 3, p. 1206, 1909 (Brotherus)  
Mollisiaceae M 13/35  
NP: I, 1, p. 210, 1894 (Lindau)  
Monadaceae E 10/36  
NP: I, 1a, p. 130, 1900 (Senn)  
Monascaceae M 9/23  
NP: I, 1, p. 148, 1894 (Schroeter)  
Monoblepharidaceae M 5/12  
NP: I, 1, p. 106, 1893 (Schroeter) — I, 1\*\*, p. 529, 1900  
(Lindau)  
MONOBLEPHARIDALES M 5  
Moriolaceae L 1/1  
NP: I, 1\*, p. 52, 1907 (Zahlbruckner)  
Mortierellaceae M 7/16  
NP: I, 1, p. 130, 1893 (Schroeter)  
Mucedinaceae M 38/131  
NP: I, 1\*\*, p. 416, 1900 — I, 1\*\*, p. 558, 1900 (Lindau)  
Mucoraceae M 7/15  
NP: I, 1, p. 123, 1893 (Schroeter) — I, 1\*\*, p. 530, 1900  
(Lindau)  
MUCORALES M 7  
Mycoidaeaceae E 20/66  
NP: I, 2, p. 101, 1890 — I, 2, p. 160, 1890 (Wille)  
Mycoporaceae L 1/13  
NP: I, 1\*, p. 77, 1903 (Zahlbruckner)  
Mycosphaerellaceae M 19/71  
NP: I, 1, p. 421, 1897 — I, 1\*\*, p. 543, 1900 (Lindau)



Myriangiaceae M 17/57

NP: I, 1, p. 319, 1896 (Fischer) — I, 1\*\*, p. 533, 1900  
(Lindau) — I, 1\*\*, p. 538, 1900 (Fischer)

Cf. Phymatosphaeriaceae

Myriotrichiaceae E 23/90

NP: 1, 2, p. 214, 1893 (Kjellman)

Myuriaceae B 6/66

NP: I, 3, p. 1224, 1909 (Brotherus)

MYXOBACTERIALES E 6

MYXOGASTERES ECTOSPOREAE

Cf. CERATIOMYXALES

MYXOGASTERES ENDOSPOREAE

Cf. PHYSARALES

Neckeraceae B 6/67

NP: I, 3, p. 775, 1906 — I, 3, p. 1224, 1909 (Brotherus)

Nectroid(e)aceae M 36/127

NP: I, 1\*\*, p. 382, 1900 (Lindau)

NEMALIONALES E 27

Nemastomaceae E 30/123

NP: I, 2, p. 521, 1897 (Schmitz & Hauptfleisch)

Nemataceae B 6/75

NP: I, 3, p. 916, 1907 — I, 3, p. 1244, 1909 (Brotherus)

Nidulariaceae M 35/120

NP: I, 1\*\*, p. 326, 1899 (Fischer)

Nostocaceae E 8/25

NP: I, 1a, p. 70, 1898 (Kirchner)

NOSTOCALES E 8

Cf. SCHIZOPHYCEAE

Cchromonadaceae E 12/44

NP: I, 1a, p. 163, 1900 (Senn)

Oedipodiaceae B 6/32

NP: I, 3, p. 508, 1903 (Brotherus)

Oedogoniaceae E 20/68

NP: I, 2, p. 108, 1890 (Wille)

Oicomonadaceae E 10/32

NP: I, 1a, p. 118, 1900 (Senn)

Olpidiaceae M 1/1

NP: I, 1, p. 67, 1892 (Schroeter) — I, 1\*\*, p. 525, 1900  
(Lindau)

Ovygenaceae M 17/53

- NP: I, 1, p. 309, 1896 (Lindau) — I, 1\*\*, p. 538, 1900-  
(Fischer)
- Oochytriaceae M 1/6  
NP: I, 1, p. 84, 1892 (Schroeter)
- Orthotrichaceae B 6/30  
NP: I, 3, p. 456, 1902 — I, 3, p. 1198, 1909 (Brotherus)
- Oscillatoriaceae E 8/24  
Cf. Lyngbyaceae  
NP: I, 1a, p. 61, 1898 (Kirchner)
- Ostropaceae M 15/46  
NP: I, 1, p. 271, 1896 (Lindau)
- Pannariaceae L 1/40  
NP: I, 1\*, p. 178, 1907 (Zahlbruckner)
- PANTOSTOMATINALES E 9
- Paratheliaceae L 1/9  
NP: I, 1\*, p. 71, 1903 (Zahlbruckner)
- Parmeliaceae L 1/45  
NP: I, 1\*, p. 207, 1907 (Zahlbruckner)
- Petellariaceae M 13/37  
NP: I, 1, p. 221, 1894 — I, 1\*\*, p. 533, 1900 (Lindau)
- Paxillaceae M 32/107  
Cf. Agaricaceae
- Peltigeraceae L 1/42  
NP: I, 1\*, p. 190, 1907 (Zahlbruckner)
- Feranemataceae E 15/49  
NP: I, 1a, p. 178, 1900 (Senn)
- Feridiniaceae E 16/52  
NP: I, 1b, p. 9, 1896 (Schuett)
- PERIDINIALES E 16  
Cf. CILIOFLAGELLATAE, DINOFLAGELLATAE
- Perisporiaceae M 18/49  
NP: I, 1, p. 323, 1897 — I, 1\*\*, p. 539, 1900 (Lindau)
- PERISPORIALES M 18
- Peronosporaceae M 6/14  
NP: I, 1, p. 112, 1893 (Schroeter) — I, 1\*\*, p. 530, 1900-  
(Lindau)
- PERONOSPORALES M 6
- Pertusariaceae L 1/43  
NP: I, 1\*, p. 195, 1907 (Zahlbruckner)
- Pezizaceae M 13/32  
NP: I, 1, p. 178, 1894 — I, 1\*\*, p. 532, 1900 (Lindau)
- PEZIZALES M 13





Phacidiaee M 14/43

NP: I, 1, p. 256, 1896 — I, 1\*\*, p. 534, 1900 (Lindau)

PHACIDIALES M 14

PHAEOSPORALES E 23

Phalansteriaceae E 10/35

NP: I, 1a, p. 129, 1900 (Senn)

Phallaceae M 33/115

NP: I, 1\*\*, p. 289, 1898 (Fischer)

PHALLALES M 33

Phyllopsoraceae L 1/31

NP: I, 1\*, p. 138, 1905 (Zahlbruckner)

Phyllopyreniaceae L 1/7

NP: I, 1\*, p. 68, 1903 (Zahlbruckner)

Phyllosiphonaceae E 21/74

NP: I, 2, p. 125, 1890 — I, 2, p. 160, 1890 (Wille)

Phymatosphaeriaceae

Cf. Myriangiaceae

NP: I, 1, p. 242, 1896 — I, 1\*\*, p. 533, 1900 (Lindau) —

— I, 1\*\*, p. 538, 1900 (Fischer)

Physaraceae E 4/14

NP: I, 1, p. 32, 1889 (Schroeter) — I, 1\*\*, p. 525, 1900  
(Lindau)

PHYSARALES E 4

Cf. MYXOGASTERES ENDOSPORALES

Physciaceae L 1/50

NP: I, 1\*, p. 234, 1907 (Zahlbruckner)

Pilacraceae M 23/89

NP: I, 1\*\*, p. 86, 1897 — I, 1\*\*, p. 553, 1900 (Lindau)

Pilocarpaceae L 1/23

NP: I, 1\*, p. 116, 1905 (Zahlbruckner)

Pilotrichaceae B 6/72

NP: I, 3, p. 912, 1907 — I, 3, p. 1232, 1909 (Brotherus)

Piptocephalidaceae M 7/19

NP: I, 1, p. 132, 1893 (Schroeter)

PLASMIDIOPHORALES E 2

Plasmodiophoraceae E 2/3

NP: I, 1, p. 5, 1889 (Schroeter)

PLECTASCALES M 17

Pleosporaceae M 19/72

NP: I, 1, p. 428, 1897 — I, 1\*\*, p. 544, 1900 (Lindau)

Pleurococcaceae E 19/60

- NP: I, 2, p. 54, 1890 — I, 2, p. 160, 1890 (Wille)  
Fleurophascaceae B 6/65  
NP: I, 3, p. 774, 1906 (Brotherus)  
Pleuroziaceae B 3/15  
Cf. Jungermanniaceae acrogynae  
Podaxaceae M 35/121  
NP: I, 1\*\*, p. 332, 1899 (Fischer)  
Polyporaceae M 31/103  
Cf. Boletaceae, Fistulinaceae, Meruliaceae  
NP: I, 1\*\*, p. 152, 1897 (Hennings)  
POLYPORALES M 31  
Polytrichaceae B 6/52  
NP: I, 3, p. 669, 1904 — I, 3, p. 1211, 1909 (Brotherus)  
Peltiaceae B 6/26  
NP: I, 3, p. 380, 1901 — I, 3, p. 1189, 1909 (Brotherus)  
Prionodontaceae B 6/59  
NP: I, 3, p. 763, 1905 — I, 3, p. 1214, 1909 (Brotherus)  
Prorocentraceae E 16/51  
NP: I, 1b, p. 6, 1896 (Schuett)  
PROTOASCALES M 10  
Protococcaceae E 19/61  
NP: I, 2, p. 54, 1890 (Wille)  
PROTOCCOCALES E 19  
PROTODISCALES M 11  
PROTOMASTIGALES E 10  
Protomycetaceae M 9/22  
NP: I, 1, p. 147, 1894 (Schroeter)  
Ptilidiaceae B 3/12  
Cf. Jungermanniaceae acrogynae  
Ptychomniaceae B 6/62  
NP: I, 3, p. 1217, 1909 (Brotherus)  
Pucciniaceae M 22/87  
NP: I, 1\*\*, p. 48, 1900 — I, 1\*\*, p. 549, 1900 (Dietsl)  
Pyrenidiaceae L 1/12  
NP: I, 1\*, p. 76, 1903 (Zahlbruckner)  
Pyrenopsidaceae L 1/36  
NP: I, 1\*, p. 158, 1906 (Zahlbruckner)  
PYRENOMYCETALES M 19  
Cf. DOTHIDEALES, HYPOCREALES, SPHAERIALES  
Pyrenothamniaceae L 1/5  
NP: I, 1\*, p. 61, 1903 (Zahlbruckner)



- Pyrenulaceae L 1/6  
NP: I, 1\*, p. 62, 1903 (Zahlbruckner)
- Pyrenomycetaceae M 13/31  
NP: I, 1, p. 176, 1894 (Schroeter)
- Pythiaceae M 4/11  
NP: I, 1, p. 105, 1893 (Schroeter) — I, 1\*\*, p. 529, 1900 (Lindau)
- Ralfsiaceae E 23/96  
NP: I, 2, p. 240, 1893 (Kjellman)
- Reticulariaceae E 4/9  
NP: I, 1, p. 25, 1889 (Schroeter)
- Rhacopiaceae B 6/77  
NP: I, 3, p. 975, 1907 — I, 3, p. 1235, 1909 (Brotherus)
- Rhegmatorontaceae B 6/82  
NP: I, 3, p. 1125, 1908 (Brotherus)
- Rhizidiaceae M 1/3  
NP: I, 1, p. 75, 1892 (Schroeter)
- Rhizinaceae M 12/30  
NP: I, 1, p. 171, 1894 (Schroeter) — I, 1\*\*, p. 532, 1900 (Lindau)
- Rhizogoniaceae B 6/41  
NP: I, 3, p. 614, 1904 (Brotherus)
- Rhizomastigaceae E 9/31  
NP: I, 1a, p. 113, 1900 (Senn)
- Rhizophyllidaceae E 30/124  
NP: I, 2, p. 527, 1897 (Schmitz & Hauptfleisch)
- Rhodobacteriaceae E 7/21
- Rhodochaetaceae E 26/104  
NP: I, 2, p. 317, 1896 (Schmitz)
- Rhodomelaceae E 29/118  
NP: I, 2, p. 420, 1897 (Schmitz & Hauptfleisch)
- Rhodophyllidaceae E 28/113  
NP: I, 2, p. 366, 1896 (Schmitz & Hauptfleisch)
- Rhodymeniaceae E 29/115  
NP: I, 2, p. 396, 1897 (Schmitz & Hauptfleisch)
- RHODYMENIALES E 29**
- Ficciaceae B 1/1  
NP: I, 3, p. 8, 1893 (Schiffner)
- Riellaceae B 3/5  
Cf. Jungermanniaceae anacrogynae
- Rivulariaceae E 8/28  
NP: I, 1a, p. 84, 1898 (Kirchner)

Roccellaceae L 1/21

NP: I, 1\*, p. 106, 1905 (Zahlbruckner)

Russulaceae M 32/110

Cf. Agaricaceae

Saccharomycetaceae M 9/24

NP: I, 1, p. 153, 1893 (Schroeter) — I, 1\*\*, p. 531, 1900 (Lindau)

S: prolegniaceae M 3/9

NP: I, 1, p. 96, 1893 (Schroeter) — I, 1\*\*, p. 528, 1900 (Lindau)

SAPROLEGNIALES M 3

Scapaniaceae B 3/13

Cf. Jungermanniaceae acrogynae

Schistostegaceae B 6/35

NP: I, 3, p. 529, 1903 (Brotherus)

SCHIZOPHYCEAE

CF. NOSTOCALES

Schizophyllaceae M 32/111

Cf. Agaricaceae

Schizosporaceae

Cf. Cronartiaceae, Endophyllaceae

NP: I, 1\*\*, p. 37, 1900 — I, 1\*\*, p. 549, 1900 (Dietel)

Sclerodermataceae M 35/122

NP: I, 1\*\*, p. 334, 1899 (Fischer)

Scytonemataceae E 8/26

NP: I, 1a, p. 76, 1898 (Kirchner)

Secotiaceae M 34/116

NP: I, 1\*\*, p. 299, 1898 (Fischer)

Sematophyllaceae B 6/81

NP: I, 3, p. 1098, 1908 — I, 3, p. 1238, 1909 (Brotherus)

SIPHONALES E 21

Sirobasidiaceae M 24/90

NP: I, 1\*\*, p. 89, 1897 (Lindau)

Sorapillaceae B 6/70

NP: I, 3, p. 1230, 1909 (Brotherus)

Sordariaceae M 19/64

NP: I, 1, p. 390, 1897 — I, 1\*\*, p. 542, 1900 (Lindau)

Spermatocnaceae E 23/94

NP: I, 2, p. 233, 1893 (Kjellman)

Sphacelariaceae E 23/85

NP: I, 2, p. 192, 1891 (Kjellman)

Sphaeriaceae M 19/65



- NP: I, 1, p. 394, 1897 — I, 1\*\*, p. 542, 1900 (Lindau)
- SPHAERIALES**
- Cf. PYRENOMYCETALES
- Sphaerioid(e)aceae M 36/126
- NP: I, 1\*\*, p. 349, 1900 (Lindau)
- Sphaerobolaceae M 35/125
- NP: I, 1\*\*, p. 346, 1899 (Fischer)
- Sphaerocarpaceae B 3/4
- Cf. Jungermanniaceae anacrogynae
- Sphaerococcaceae E 29/114
- NP: I, 2, p. 382, 1896 (Schmitz & Hauptfleisch)
- Sphaerophoraceae L 1/16
- NP: I, 1\*, p. 85, 1903 (Zahlbruckner)
- Sphaeropleaceae E 20/72
- NP: I, 2, p. 121, 1890 (Wille)
- SFHAEROPSIDALES M 36**
- Sphagnaceae B 4/8
- NP: I, 3, p. 248, 1901 (Warnstorf)
- SPHAGNALES B 4**
- Spiridentaceae B 6/63
- NP: I, 3, p. 765, 1905 (Brotherus)
- Spirillaceae E 5/17
- NP: I, 1a, p. 30, 1895 (Migula)
- Splachnaceae B 6/31
- NP: I, 3, p. 498, 1903 — I, 3, p. 1203, 1909 (Brotherus)
- Sporochnaceae E 23/95
- NP: I, 2, p. 236, 1893 (Kjellman)
- Spumariaceae E 4/12
- NP: I, 1, p. 29, 1889 (Schroeter)
- Squamariaceae E 30/125
- NP: I, 2, p. 532, 1897 (Schmitz & Hauptfleisch)
- Stemonitaceae E 4/10
- NP: I, 1, p. 26, 1889 (Schroeter) — I, 1\*\*, p. 525, 1900 (Lindau)
- Stephaninaceae B 3/14
- Cf. Jungermanniaceae acrogynae
- Stictaceae L 1/41
- NP: I, 1\*, p. 185, 1906 (Zahlbruckner)
- Stictidaceae M 14/41
- NP: I, 1, p. 245, 1896 — I, 1\*\*, p. 533, 1900 (Lindau)
- Stigonemataceae E 8/27
- NP: I, 1a, p. 80, 1898 (Kirchner)

**Stilbaceae M 38/133**

NP: I, 1\*\*, p. 488, 1900 — I, 1\*\*, p. 559, 1900 (Lindau)

**Stilophoraceae E 23/93**

NP: I, 2, p. 230, 1893 (Kjellman)

**Striariaceae E 23/87**

NP: I, 2, p. 204, 1893 (Kjellman)

**Strigulaceae L 1/11**

NP: I, 1\*, p. 74, 1903 (Zahlbruckner)

**Synchytriaceae M 1/2**

NP: I, 1, p. 71, 1892 (Schroeter) — I, 1\*\*, p. 526, 1900 (Lindau)

**Terfeziaceae M 15/56**

NP: I, 1, p. 312, 1896 (Lindau) — I, 1\*\*, p. 538, 1900 (Fischer)

**Tetramitaceae E 10/40**

NP: I, 1a, p. 143, 1900 (Senn)

**Tetrasporaceae E 19/58**

NP: I, 2, p. 43, 1890 — I, 2, p. 159, 1890 (Wille)

**Thelephoraceae M 28/97**

Cf. Craterellaceae, Cyphellaceae

NP: I, 1\*\*, p. 117, 1897 (Hennings)

**THELEPHORALES M 28**

**Theloschistaceae L 1/48**

NP: I, 1\*, p. 229, 1907 (Zahlbruckner)

**Tiplotrema(ta)ceae L 1/25**

NP: I, 1\*, p. 118, 1905 (Zahlbruckner)

**THIOBACTERIALES E 7**

**Thoreaceae E 27/106**

NP: I, 2, p. 321, 1896 (Schmitz)

**Tilletiaceae M 21/83**

NP: I, 1\*\*, p. 15, 1900 (Dietel)

**Tilopteridaceae E 23/100**

NP: I, 2, p. 265, 1893 (Kjellman)

**Timmiaceae B 6/46**

NP: I, 3, p. 660, 1904 (Brotherus)

**Tremellaceae M 24/91**

NP: I, 1\*\*, p. 90, 1897 — I, 1\*\*, p. 553, 1900 (Lindau)

**TREMELLALES M 24**

**Trichiaceae E 4/8**

NP: I, 1, p. 20, 1889 (Schroeter) — I, 1\*\*, p. 524, 1900 (Lindau)

**Trichocomaceae M 17/54**



- NP: I, 1, p. 310, 1896 (Lindau)  
Trigonanthaceae B 3/11  
Cf. Jungermanniaceae acrogynae  
Trimastigaceae E 10/39  
NP: I, 1a, p. 141, 1900 (Senn)  
Tryblidiaceae M 14/42  
NP: I, 1, p. 253, 1896 (Lindau)  
Trypetheliaceae L 1/8  
NP: I, 1\*, p. 69, 1903 (Zahlbruckner)  
TUBERALES M 16  
Tuberculariaceae M 38/134  
NP: I, 1\*\*, p. 498, 1900 -- I, 1\*\*, p. 559, 1900 (Lindau)  
Tulasnellaceae M 26/94  
TULASNELLALES M 26  
Tylostomataceae M 35/124  
NP: I, 1\*\*, p. 342, 1899 (Fischer)  
Uotrichaceae E 20/64  
NP: I, 2, p. 79, 1890 (Wille)  
Ulvaceae E 20/63  
NP: I, 2, p. 74, 1890 (Wille)  
UREDINALES M 22  
Usneaceae L 1/46  
NP: I, 1\*, p. 216, 1907 (Zahlbruckner)  
Ustilaginaceae M 21/82  
NP: I, 1\*\*, p. 6, 1900 (Dietel)  
Valoniaceae E 21/80  
NP: I, 2, p. 145, 1890 (Wille)  
Valsaceae M 19/76  
NP: I, 1, p. 454, 1897 -- I, 1\*\*, p. 544, 1900 (Lindau)  
Vaucheriaceae E 21/77  
NP: I, 2, p. 131, 1890 (Wille)  
Verrucariaceae L 1/3  
NP: I, 1\*, p. 53, 1903 (Zahlbruckner)  
Volvocaceae E 19/57  
NP: I, 2, p. 29, 1890 (Wille) -- I, 1a, p. 187, 1900 (Senn)  
Weberiaceae B 6/47  
NP: I, 3, p. 662, 1904 -- I, 3, p. 1210, 1909 (Brotherus)  
Xylariaceae M 19/80  
NP: I, 1, p. 480, 1897 -- I, 1\*\*, p. 544, 1900 (Lindau)  
Zygnema(ta)ceae E 18/55  
NP: I, 2, p. 16, 1890 (Wille)

*Herz Basstores en un montf ana veg et eucorphanon gaudauds*